



DEPARTMENT OF THE NAVY  
CRANE DIVISION  
NAVAL SURFACE WARFARE CENTER  
300 HIGHWAY 361  
CRANE INDIANA 47522-5001

IN REPLY REFER TO:

5720

00L/17F007.2

May 5, 2017

Mr. Christian Stork  
University of California, Berkeley  
121 North Gate Hall, #5860  
Berkeley, CA 94720

Dear Mr. Stork:

This letter in is final response to your Freedom of Information Act (FOIA) request received at Naval Surface Warfare Center, (NSWC) Crane Division on December 16, 2016. Your request indicated that you are seeking, "the Justification and Approval (J&A) authorizing the award, on a sole source basis, of the following contract by your office. IDVPIID: N0016408DS007 Procurement Instrument Identifier: 1 Date Signed: September 29, 2008 Vendor Name: L-3 Services, Inc. Vendor DUNS: 114568400." Your request was assigned local Case File Number 2017-F-007. As a member of an educational institution, no fees were assessed with the processing of this request.

One responsive documents was located and was redacted consistent with two applicable FOIA exemptions at 5 U.S.C. § 552(b) Exemption 4 and Exemption 6. Exemption (b)(4) protects commercial or financial information received from a private source when disclosure is likely to cause substantial competitive harm to the source. Exemption (b)(6) exempts personal information from release which, if released would result in a clearly unwarranted invasion of personal privacy. Each redaction has been annotated to show the applicable FOIA exemption.

If you have any questions concerning this letter, you may contact me at (812) 854-8725 or by email at [monica.l.queen@navy.mil](mailto:monica.l.queen@navy.mil).

Sincerely,



MONICA L. QUEEN  
By direction

Enclosure





DEPARTMENT OF THE NAVY

CRANE DIVISION  
NAVAL SURFACE WARFARE CENTER  
300 HIGHWAY 361  
CRANE, INDIANA 47832-9000

IN REPLY REFER TO:

J&A Number: 08-085

Code: 0564

JUSTIFICATION AND APPROVAL  
FOR USE OF OTHER THAN FULL AND OPEN COMPETITION

1. Contracting Activity.

Naval Surface Warfare Center, Crane Division

2. Description of the Action Being Approved.

The use of full and open competition to procure systems for ruggedized Tracking, Tagging and Locating (TTL) devices.

3. Description of Supplies/Services.

L3 designed developed two, small, man-portable Tracking, Tagging, and Locating (TTL) and two-way messaging systems with integrated GPS called Typhon and Pallas. (b)(4) and (b)(4), in conjunction with others, provided the requirements for these systems, and all participated in funding the developments. It is unique in that the units are capable of 2-way messaging, sending geo-location information on command or automatically using commercial Iridium Short Burst Data (SBD) capability. The units (b)(4)

(b)(4) This enables personnel or others to be tracked in the field while working in a wide range of environments. Users in higher risk environments or other types of situations will utilize these devices to provide location information.

The Trakker device provides a universal mobile satellite geographic position data solution with complete global coverage. It combines global positioning Iridium Satellite L-Band communication technology, microprocessor power, and internal/external power source into a single brick-sized device. (b)(4)

devices and to lower monthly recurring costs of the system.

The following chart shows an estimate of the maximum quantities for the required devices and accessories:

Item	Part Number	Price	Max Quantity	Item Total
Typhon RPDA kit	5T001	(b)(4)		\$2,051,913.00
Rugged Transit Case	GT-RC-TYP-01			\$44,385.00
External Iridium Antenna	GT-AN-IRD-SMCM			\$26,686.60
External GPS Antenna	GT-AN-GPS-SMCM-33			\$21,892.60
Cable, DC/DC Converter to Cig Lighter Receptacle [12 VDC]	18679			\$71,094.00
Commercial Grade DC/DC Converter	18716			\$71,005.60
Cable, DC/DC Converter to RPDA (Commercial Grade)	18681			\$10,227.20
110 VAC Power Adapter (AC/DC Charger,US Commercial)	17054-1			\$21,270.40
Removeable Expansion Pack Battery P/N	18251			\$29,063.20
Night Vision Device Screen Filter (Neutral Bias)	18330-2			\$44,227.20
Night Vision Device Screen Filter (Red Bias)	18330-4			\$44,227.20
Plastic AA Battery Holder (10) - Requires Insert below	17050-2			\$108,250.90
Plastic AA Batter Holder Insert - 10 AA Batteries	17051-2			\$9,686.60
Typhon RPDA OMM (softcopy on CD)	unkown			\$3,544.50
				\$0.00
PALLAS-LPU	PALLAS-LPU			\$1,700,300.00
Pallas-LPU Automotive Power Supply	LPU-CA-PWR-R00			\$132,300.00
Pallas - LPU Configuration Adapter Kit	LPU-KT-CFG-R00			\$422,100.00
Rugged Transit Case, Pallas Single	GT-RC-PAL-01			\$104,300.00
Rugged Transit Case, Pallas Five-Unit	GT-RC-PAL-05			\$192,500.00
Pallas LPU OMM (softcopy on CD)	OMM-PAL-CD			\$14,595.00
Trakker 9001-C: Trakker 9000 conversion to 9001	Trakker 9001-C			\$62,400.00
				Total

It is anticipated that a Firm Fixed Price (FFP) Indefinite Delivery Indefinite Quantity (IDIQ) commercial contract utilizing Simplified Acquisition Procedures (SAP) will be awarded with a period of performance of two years. The estimated total value of this procurement is \$5.185M. The funding type, by fiscal year, to be used for the proposed procurement is as follows:

Estimated Dollar Value  
(in Millions of Dollars)

	FY 08	FY 09	Total
O+MN	(b)(4)		\$5.185M

4. Statutory Authority Permitting Other Than Full and Open Competition.

10 U.S.C. 2304(c)(1) as set forth in FAR 6.302-1(b)(1)(ii) Only one responsible source and no other supplies or services will satisfy agency requirements.

5. Rationale Justifying Use of Cited Statutory Authority.

Titan/L3 Systems Corporation designed and developed the Typhon, Pallas, and Trakker systems. L3 Systems Corporation is the only known source for ruggedized devices having encrypted data links needed to communicate with military satellite communications. L3 owns the proprietary data, and it is not available for sale to the Federal Government.

It is likely that to award to any other source would result in the following: (1) substantial duplication of cost to the Government that is not expected to be recovered through competition; or (2) there would be unacceptable delays in fulfilling the Warfighter requirements.

- 1) Substantial duplication of costs. Since no other source is known to exist, the Government would have to fund the design and manufacturing of duplicate capability. This would require a new design, fabrication of prototype units, and verification of the design to ensure the design is operable, can effectively communicate with existing communications architecture, and meets Warfighter requirements. This duplication of effort is estimated at \$3M.

- 2) Unacceptable delays in fulfilling the agency's requirements. The time required to develop a new man-portable TTL device to meet the needs would take approximately two years. This delay would mean a two year delay in the acquisition of a new TTL device causing an unacceptable delay in meeting the agency's immediate need to provide TTL capabilities for personnel in various military operations. The devices will include tagging, tracking, and locating of Warfighters. Having this information shared between Warfighters will help prevent physical harm to the Warfighters.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable.

An Internet search was conducted for companies producing systems or devices with capabilities similar to Typhon and Pallas (See Attachment 1). Market Research indicated there are a few companies (b)(4) that sell similar types of systems. However, after further detailed research and discussions with technical representatives, it was determined that none of these three companies currently have any system comparable to form, fit, or function to the Typhon or Pallas that utilize Iridium SBD. Devices that did utilize Iridium SBD would either not meet the requirements of being ruggedized and/or size constraints of the Warfighter.

7. Determination of Fair and Reasonable Cost. The Contracting Officer will determine the anticipated costs to the Government fair and reasonable based upon the ability to perform price analysis utilizing Government technical evaluations and historical and/or market pricing data for same/similar products.

8. Actions to Remove Barriers to Future Competition.

For the reasons set forth in Paragraph 5, NSWC Crane Division has no plans at this time to compete future contracts for the type of procurement covered by this document. If another potential source emerges, NSWC Crane Division will assess whether competition for future requirements is feasible.

## CERTIFICATIONS AND APPROVAL

## TECHNICAL/REQUIREMENTS CERTIFICATION

I certify that the facts and representations under my cognizance which are included in this Justification and its supporting acquisition planning documents, except as noted herein, are complete and accurate to the best of my knowledge and belief.

## Technical Cognizance:

Signature [Redacted] (b)(6) 07/08/2008  
Name (Printed) Phone No. Date

Signature [Redacted] (b)(6) 07/08/2008  
Name (Printed) Phone No. Date

## LEGAL SUFFICIENCY REVIEW

I have determined this Justification is legally sufficient.

Signature [Redacted] (b)(6) 8/20/08  
Name (Printed) Phone No. Date

## CONTRACTING OFFICER CERTIFICATION

I certify that this Justification is accurate and complete to the best of my knowledge and belief.

Signature [Redacted] (b)(6) 8/26/08  
Name (Printed) Phone No. Date

Upon the basis of the above justification, I hereby approve, as Crane Division Competition Advocate, the solicitation of the proposed procurement(s) described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304 (c) (1), One source or limited sources.

Signature [Redacted] (b)(6) 9-2-08  
Name (Printed) Phone No. Date

